| MATERIAL SAFETY DATA SHEET | +----+

| SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION |

PRODUCT NAME : FLOURESCENT ORANGE

IDENTIFICATION NUMBER: 1754 830 DATE PRINTED : 11/03/97

PRODUCT USE/CLASS : INDUSTRIAL SPRAY PAINT

SUPPLIER: MANUFACTURER:

Rust-Oleum Corporation Rust-Oleum Corporation 11 Hawthorn Parkway 11 Hawthorn Parkway Vernon Hills, Illinois Vernon Hills, Illinois

60061 USA 60061 USA

 (847) 367-7700
 Rust-Oleum Corp.

 Mon.-Fri, 8:00
 AM-4:30

 PM
 Mon.-Fri, 8:00

 AM-4:30
 PM

PREPARER: LJW, PHONE: , PREPARE DATE: 07/21/97

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	N-HEXANE	110-54-3	35.0 %
02	PROPANE	74-98-6	30.0 %
03	TOLUENE	108-88-3	20.0 %
04	SOLVENT NAPHTHA, HEAVY ALKYLATE	64741-65-7	15.0 %
05	N-BUTANE	106-97-8	10.0 %
06	AROMATIC PETROLEUM DISTILLATES	64742-94-5	5.0 %
07	ISOBUTANE	75-28-5	5.0 %

		EX	POSURE LIMITS			
	ACGI	H	OSHA		COMPANY	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	${ t TLV-TWA}$	SKIN
01	50 PPM	N.E.	50 PPM	N.E.	N.E.	NO
02	ASPHYXIANT	N.E.	1000 PPM	N.E.	N.E.	YES
03	50 PPM	N.E.	200 PPM	300 PPM	N.E.	YES
04	300 PPM	N.E.	N.E.	N.E.	N.E.	NO
05	800 PPM	N.E.	N.E.	N.E.	N.E.	NO
06	N.E.	N.E.	100 PPM	N.E.	N.E.	NO
07	N.E.	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

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		SECTION 3	3 -	- HAZARDS	IDENTIF:	ICATION	

*** EMERGENCY OVERVIEW ***: Harmful if inhaled. Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

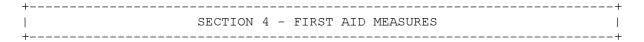
EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: May cause central nervous system disorder (e,g.,narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen and eye damage as well as anemia. Effects in humans have included liver and cardiac

abnormalities. Overexposure to toluene in laboratory animals has been associated with liver abnormalities, kidney, lung and spleen damage.

in humans have included liver and cardiac abnormalities.

PRIMARY ROUTE(S) OF ENTRY: INHALATION EYE CONTACT



FIRST AID - EYE CONTACT: Hold eyelids apart and flush with plenty of water for at lease 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: No Information.

FIRST AID - INGESTION: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

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SECTION 5 - FIRE FIGHTING MEASURES	-+ -+
FLASH POINT: -25 F (TAGLIABUE CLOSED CUP) AUTOIGNITION TEMPERATURE: ND LOWER EXPLOSIVE LIMIT: 1.0 UPPER EXPLOSIVE LIMIT: 9.5	
EXTINGUISHING MEDIA: DRY CHEMICAL FOAM WATER FOG	
UNUSUAL FIRE AND EXPLOSION HAZARDS: FLASH POINT IS LESS THAN 20 DEG. F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat due to buildup of steam. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a sour of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. Closed containers me explode when exposed to extreme heat. SPECIAL FIREFIGHTING PROCEDURES: Evacuate area and fight fire from a saf distance.	ce m .ay
+	-+ -
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate the area, remove all sources of ignition and ventilate well. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.	- -
SECTION 7 - HANDLING AND STORAGE +	-+ -+

HANDLING: Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 degrees F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 degrees F.

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	Product:	 	Preparation	/21/97	Page	
+			URE CONTROLS			+
+		 		 		+

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace

conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking.

+----+ SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : -44 - 380 F VAPOR DENSITY : Is heavier than air ODOR : SOLVENT-LIKE ODOR THRESHOLD : ND APPEARANCE : LIQUID EVAPORATION RATE: Is faster than Ether

SOLUBILITY IN H2O : SLIGHT

FREEZE POINT : ND SPECIFIC GRAVITY: 0.7174 VAPOR PRESSURE : ND pH @ 0.0 % : ND PHYSICAL STATE : LIQUID VISCOSITY : ND VAPOR PRESSURE

COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

(See Section 16 for abbreviation legend)

+----+ SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid temperatures above 120 degrees F. Avoid all possible sources of ignition.

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	BILITY AND REACTIVITY	
NCOMPATIBILITY: Incompatible with nd strong alkalies.	h strong oxidizing age	ents, strong acids
AZARDOUS DECOMPOSITION PRODUCTS: arbon dioxide.	By open flame, carbon	n monoxide and
AZARDOUS POLYMERIZATION: Will not	occur under normal co	onditions.
TABILITY: This product is stable w	under normal storage (conditions.
SECTION 11 - TOX	ICOLOGICAL PROPERTIES	
COMPONENT TOXICOLOGICAL INFORMATION		
CHEMICAL NAME		
I-HEXANE	RAT 28710MG/KG	
PROPANE POLUENE	N.E. Pat 5000MG/kG	N.E.
OLVENT NAPHTHA, HEAVY ALKYLATE	No Information	MOUSE 5320PPM 8HF
-BUTANE	RAT 658G/M^3 4HR	
ROMATIC PETROLEUM DISTILLATES		
SOBUTANE	N.E.	N.E.
SECTION 12 - ECC	OLOGICAL INFORMATION	
SECTION 13 - DI	SPOSAL CONSIDERATIONS	
DISPOSAL METHOD: Dispose of mater: Sederal regulations and ordinances sewer systems.		ter storm drains or
SECTION 14 - TRANS	SPORTATION INFORMATION	1
No transportation information is a		
	GULATORY INFORMATION	
J.S. FEDERAL REGULATIONS: AS FOLLO		
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SECTION 15 - REGULATORY INFORMATION	ĺ
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFF 1910.1200)	3
CERCLA - SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:	
IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZ GAS HAZARD	ZED
SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:	_
	THAN 5.0 % 0.0 %
TOXIC SUBSTANCES CONTROL ACT: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United State	
CHEMICAL NAME CAS NUMBER No information is available.	
U.S. STATE REGULATIONS: AS FOLLOWS -	
NEW JERSEY RIGHT-TO-KNOW: The following materials are non-hazardous, but are among the top five components in this product:	
CHEMICAL NAME CAS NUMBER No non-hazardous materials are among the top five ingredients.	
PENNSYLVANIA RIGHT-TO-KNOW: The following non-hazardous ingredients are present in the product at greater than 3%:	
CHEMICAL NAME CAS NUMBER No non-hazardous ingredients are present at greater than 3%.	
CALIFORNIA PROPOSITION 65: WARNING: The chemical(s) noted below and contained in this product, as known to the state of California to cause cancer, birth defects or other reproductive harm:	
TOLUENE CAS NUMBER 108-88-3	

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The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.
